

ITS Technical Bulletin 209

MVS 5.1 OPERATING SYSTEM UPGRADE

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Section/Groups: Systems Support
Submitted By: Dave Jeffs
Approved By: Clair Christensen

An operating system software upgrade, from MVS 4.3 to MVS 5.1, is scheduled for May 14, 1995 on CPU4. Many operating system support products will also be upgraded with new releases and/or maintenance. Due to incompatibilities with the versions of JES2, a COLD START of JES2 will need to take place.

WARNING: All JES2 input and output data (unprinted output and jobs on the input queue) on CPU4 will be lost at that time.

The following software products have been upgraded to new releases.

- JES2 5.1
- ACF2 6.1
- VTAM 4.2
- RMF 5.1
- DFSMS 2.1
- ISPF 4.1
- SDSF 1.5.0

Most support software has also received maintenance. Support software includes, but is not limited to, the following.

- FORTRAN
- COBOL II
- VS COBOL
- PL1
- OMEGAMON
- KOMMAND

This new environment will facilitate migration to the planned parallel hardware environment. The TSO/ISPF environment will change considerably and may seem overwhelming at first glance. Three two-hour sessions will be provided May 17 and 18 to discuss the changes in ISPF. To schedule one of the sessions, contact the DAS/ITS Training Coordinator at 538-3461. A partial list of the ISPF enhancements can be found elsewhere in this bulletin.

If you would like to change the interface to look and act more like the Version 3 interface, follow the steps listed at the end of this document.

An optional feature provides a GUI interface that allows software to be downloaded to the client PC workstation. The GUI interface takes advantage of the new features, for example, point and shoot fields become button bars. It is advisable to learn the new features provided and NOT make ISPF look like Version 3.

ISPF Enhancements

Edit Capabilities

Previously ISPF edit was limited to a 255 character logical record size. That limitation has been eliminated with ISPF 4.1.

Action Bars

ISPF 4.1 provides an action bar-driven interface that exploits many of the usability features of Common User Access (CUA) interfaces. The panels look different than in previous releases. All screens are in mixed case and most have action bars at the top. These action bars give you a new and faster way to move around in the product as well as access to command nesting. If you wish, you can get to options (except for some of the functions in settings) just as you always have, by typing in the option number and pressing Enter. Action bar choices display in highlighted text.

There are three ways to move the cursor to the action bar choice.

- Use the cursor movement keys to manually place the cursor on an action bar choice.
- Enter the ACTIONS command on the panel command line to move the cursor to the first action bar choice.
- Press PFK10. (The default definition for PFK10 equates to ACTIONS.)

Command Nesting

Command nesting allows you to suspend one activity while you perform a new one rather than having to end a function to perform another function. With ISPF 4.1, from your edit session, select the Data-set choice from the Utilities pull-down on the Edit panel action bar. ISPF suspends your edit session and displays the Data-Set Utility panel. When you have allocated the new data set and end the function, ISPF 4.1 returns you directly to your edit session rather than to the Edit Entry Panel.

Point and Shoot

Point and Shoot is completely new to ISPF 4.1. Whenever the cursor is in a point-and-shoot field, pressing the Enter key will perform whatever action is indicated by the field.

Data Set List

Since data sets are the main focus of attention for users of ISPF, much has been done to make it easier to find and work with lists of data sets. Option 3.4, the data set list utility, now places almost no restrictions on the use of * (asterisk) and % (per cent) masking characters in the

Dsname-Level field. Previous versions of ISPF had a relatively complex set of rules and restrictions.

The term "Qualifier" refers to the portion of a data set name between two periods, before the first period (high-level qualifier) or after the last period (low-level qualifier). Specifying a single * as a qualifier indicates that at least one qualifier in the data set name is needed in that position for a successful match. A ** indicates that zero or more qualifiers are needed for a successful match. A % matches a single character (but not a period).

Data Set Utilities

Once the data set list is displayed, a / (forward slash) beside any data set name will provide a pop-up window listing the data set and a menu of actions. This replaces the list of one-letter line commands displayed by option 3.4. They all still function with V added to View. The use of / for pop-up does not preclude its use in the middle of commands to save typing the data set name. A new V option in 3.2 provides panel-driven define, delete, and catalog information for VSAM files. Multivolume data sets are also supported. A + (plus) following the volume on any Data Set Information panel indicates a multi-volume data set. The first volume is the one listed. Option A of 3.2 also allows space to be specified in either bytes, kilobytes, or megabytes.

Referral Lists

Referral lists remember data set names. There are two types. Reference lists contain the most-recently used data sets. Personal lists are custom-built sharable lists of data sets. Each personal list is assigned a name, similar in concept to e-mail distribution lists.

Option 6 provides a similar capability. The last 10 commands are listed at the bottom of the panel for easy reference or reuse. Select Update Off from the action bar to stop the automatic addition of commands to the list.

Less Known Commands of ISPF

Many commands can be used in place of point-and-shoot or entering options from panels. Commands can be entered from any panel on the command line provided. Following is a list of those commands.

ACTIONS	Move the cursor between the Action Bar and the panel body.
COLOR	Changes the default colors on seven-color display devices.
CUAATTR	Can be used to change the default colors provided by ISPF.
CURSOR	Move the cursor to the first input field on the panel being displayed.
SETTINGS	Same as selecting Option 0 from the main menu.
PFSHOW [ON OFF]	Turns the display of PFKEY settings ON or OFF.

KEYLIST [ON | OFF] See PFSHOW command above. KEYLIST OFF will tell ISPF to not use the keylist provided, but rather use a different set of variables for controlling function keys.

KEYSHELP Provides a brief description of each key defined for a panel.

PFSHOW [ON | OFF | Tailor] Toggles through the different forms of the function key areas.

PSCOLOR Globally alter the color, intensity, and highlighting of point-and- shoot fields through a pop-up- dialog.

RESIZE Toggles the size of a pop-up window to fill the entire 3270 physical display area.

Steps to make ISPF 4.1 function similar to ISPF 3.5

1. From the main menu, type **SETTINGS** and press Enter.
 - a. Remove the " /" from "Command line at bottom"
 - b. Remove the " /" from "Tab to action bar choices"
 - c. Enter a "b" in the "input field pad"
 - d. Press Enter to update these fields.
2. Type **KEYLIST OFF** and press Enter to turn keylist off.
3. Set primary keys to F13-24 by:
 - a. From the main menu type **SETTINGS** and press Enter.
 - b. Type **ACTIONS** and press Enter.
 - c. Move the cursor to "Function Keys" on the action bar and press Enter.
 - d. Select Option 3 "Tailor function keys" and press Enter.
 - e. Modify "number of keys" and "primary range" as you would like.
 - f. On the command line type **RETURN** and press Enter.
4. Type **PFSHOW OFF** and press Enter to turn off the display of PFKEYS.
5. Use the **CUAATTR** command to change the screen colors to what you have been using.